

The diagram illustrates a 2D mesh network topology. It consists of 24 square nodes arranged in a grid of 8 columns and 3 rows. Each node is connected to its four immediate neighbors (up, down, left, and right) by solid lines, forming a mesh. Additionally, there are three horizontal dashed ellipses, each labeled with the number 10, representing long-range interconnects that span across the grid. Each node also has a set of four external connection lines extending from its corners, labeled with the number 14. The entire network structure is labeled with the number 12.

Fig. 1A

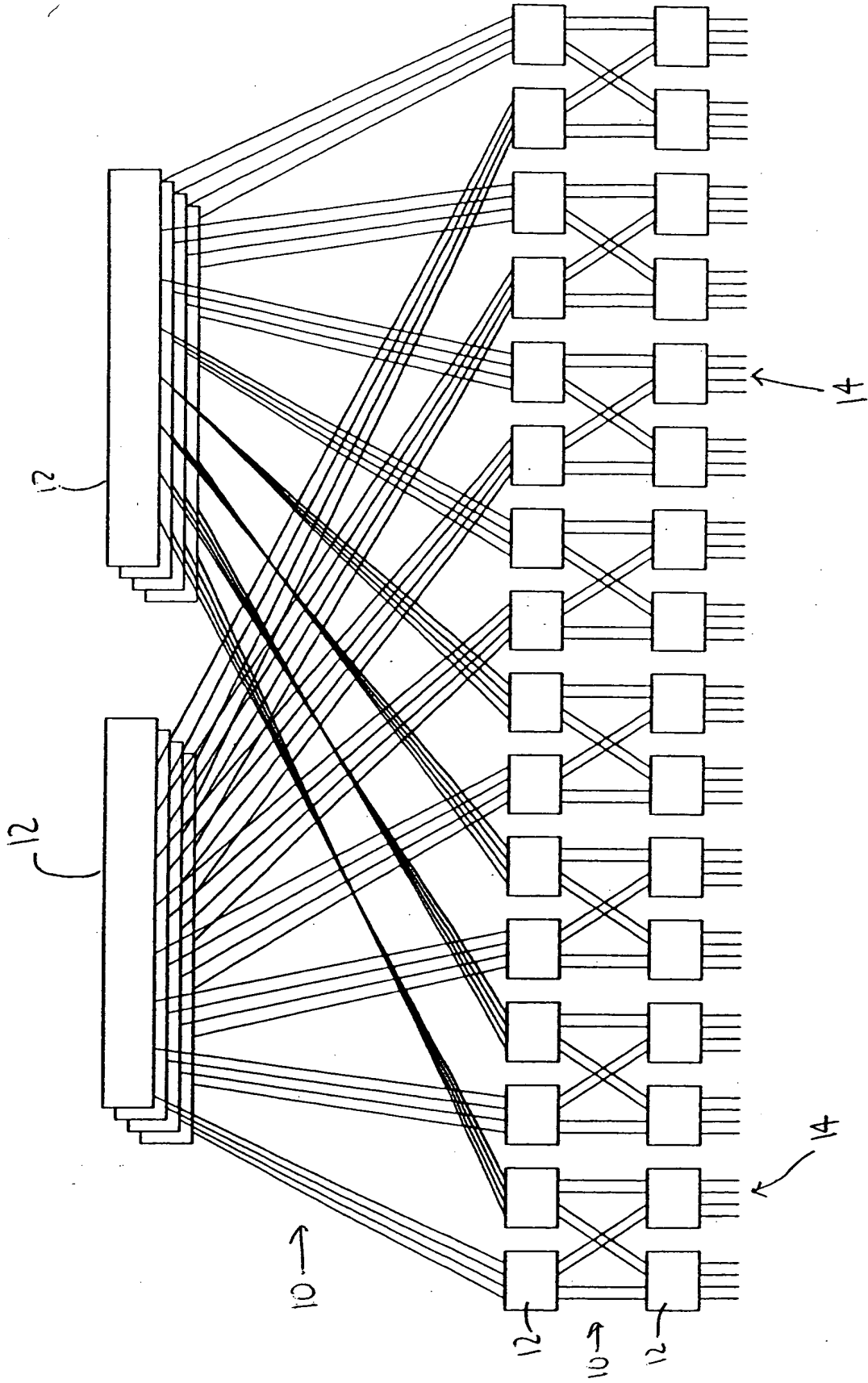


FIG. 1B

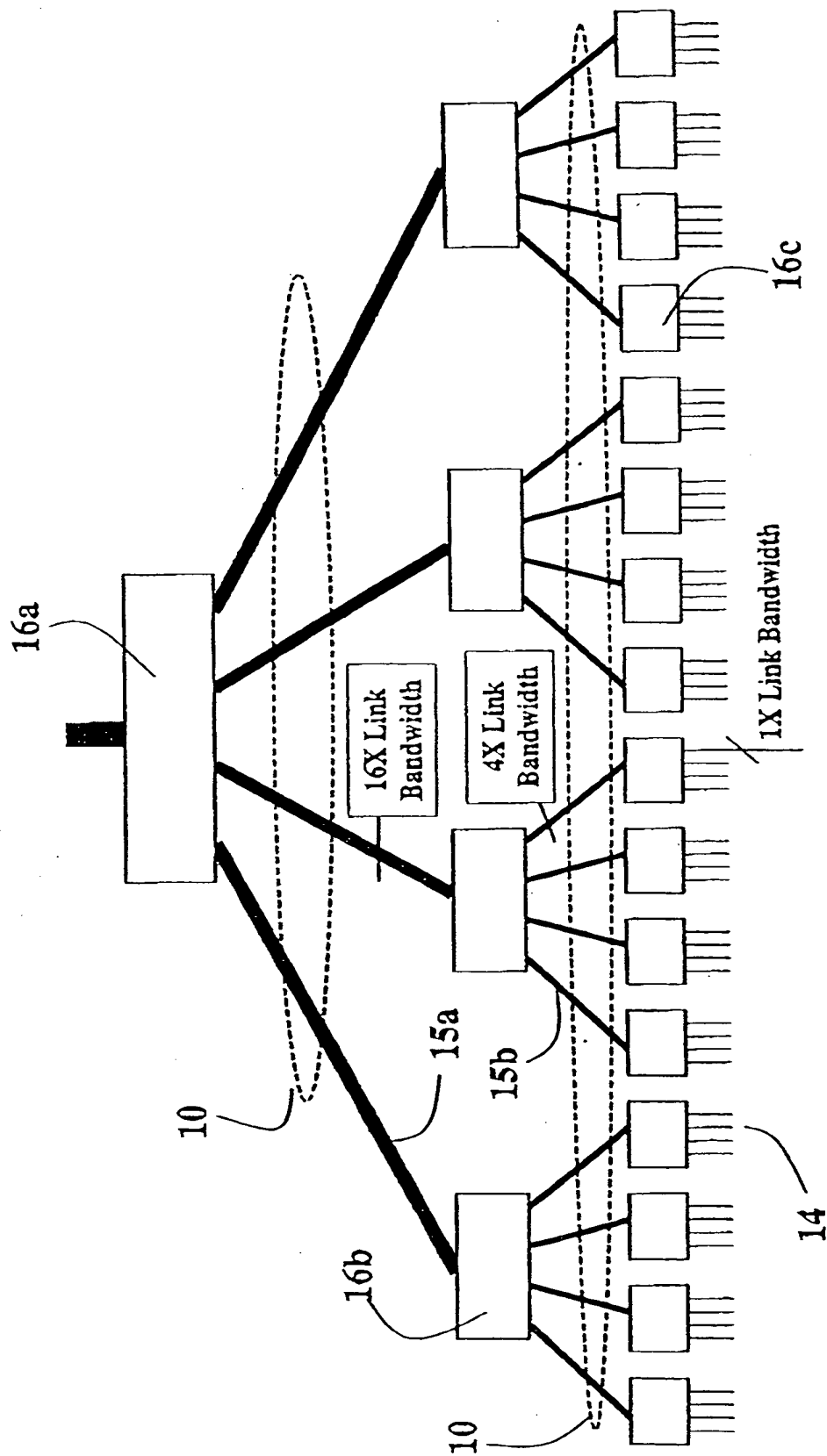
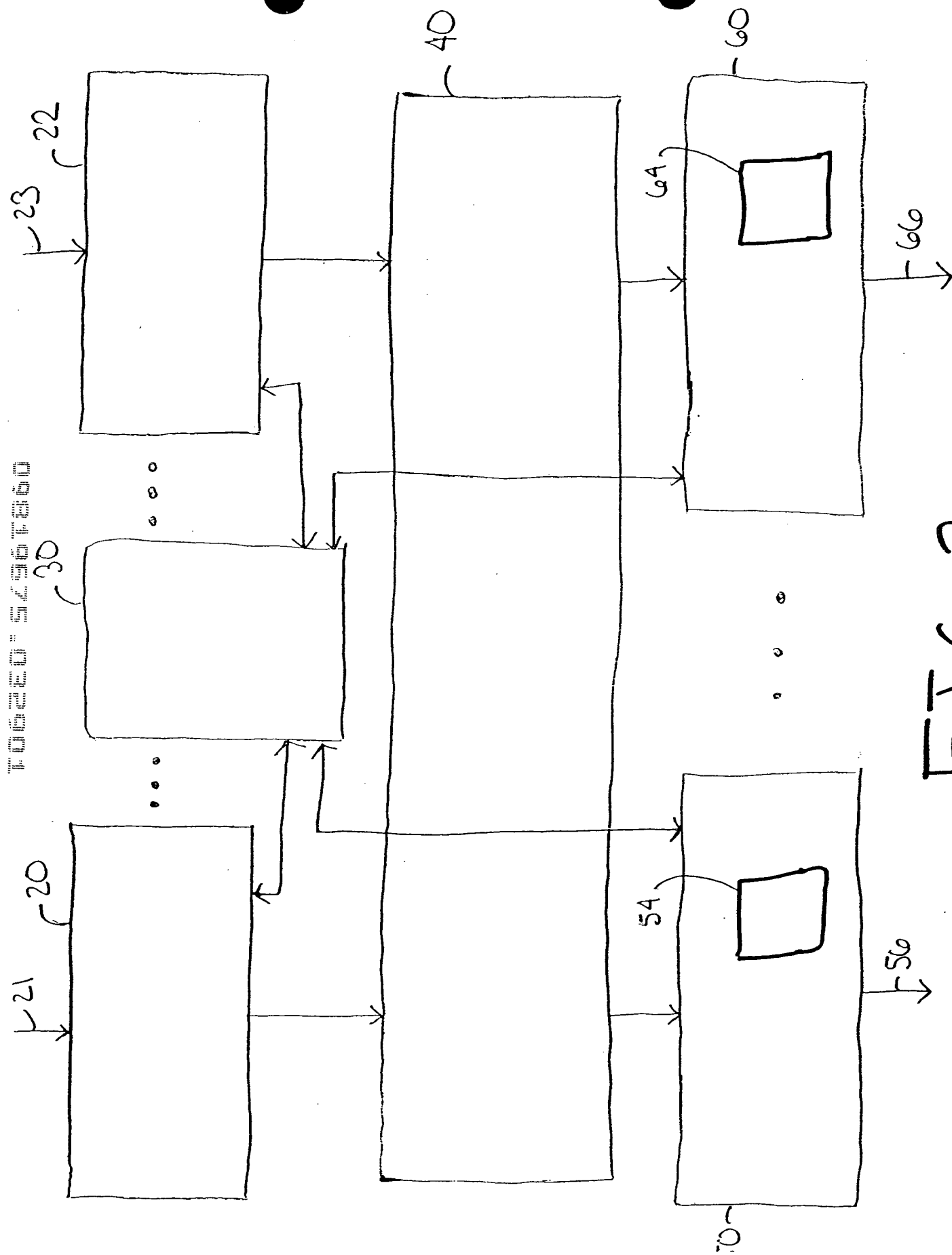


Fig. 1C



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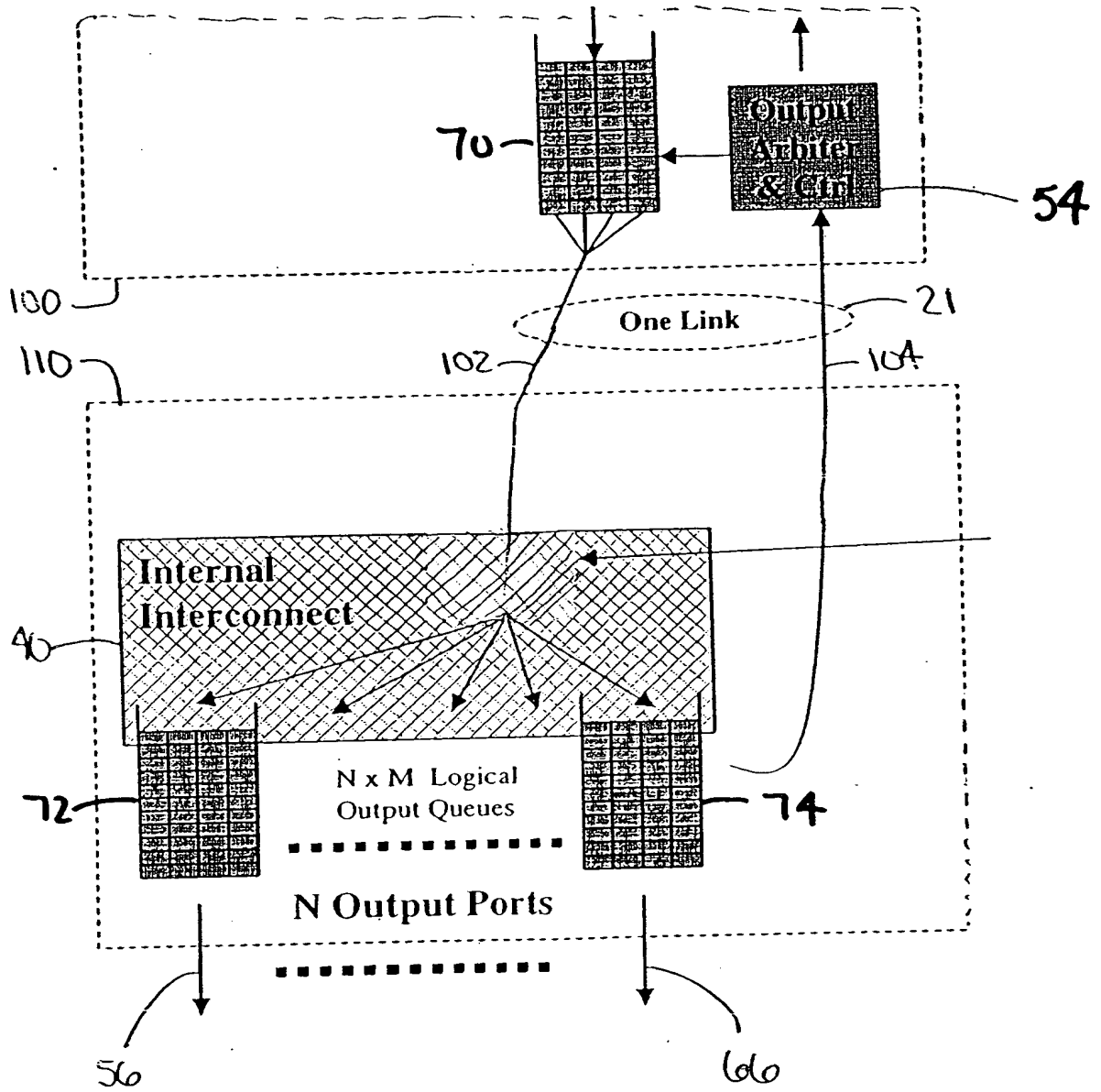
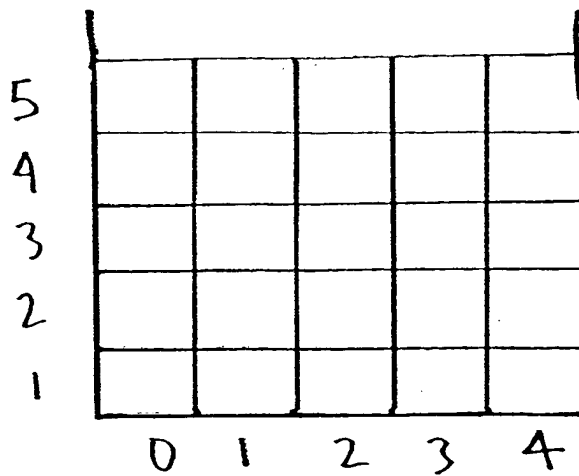


FIG. 3

FIG. 4A



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FIG. 4B

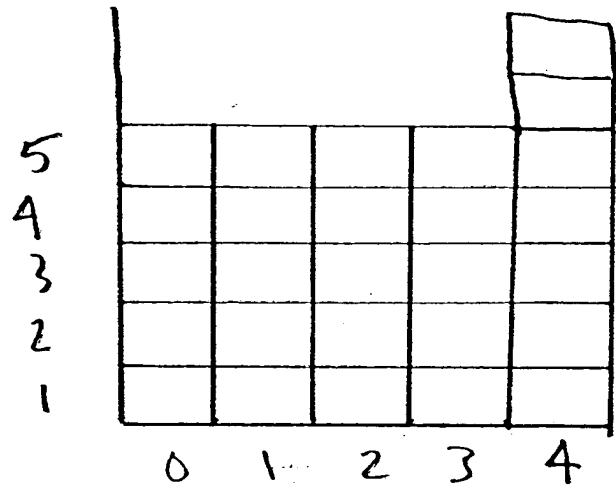
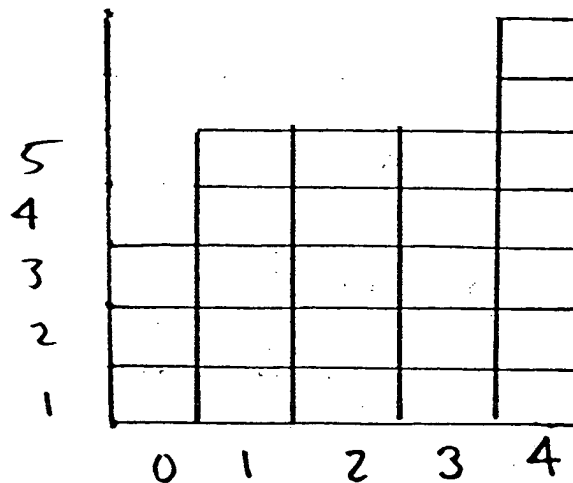


FIG. 4C



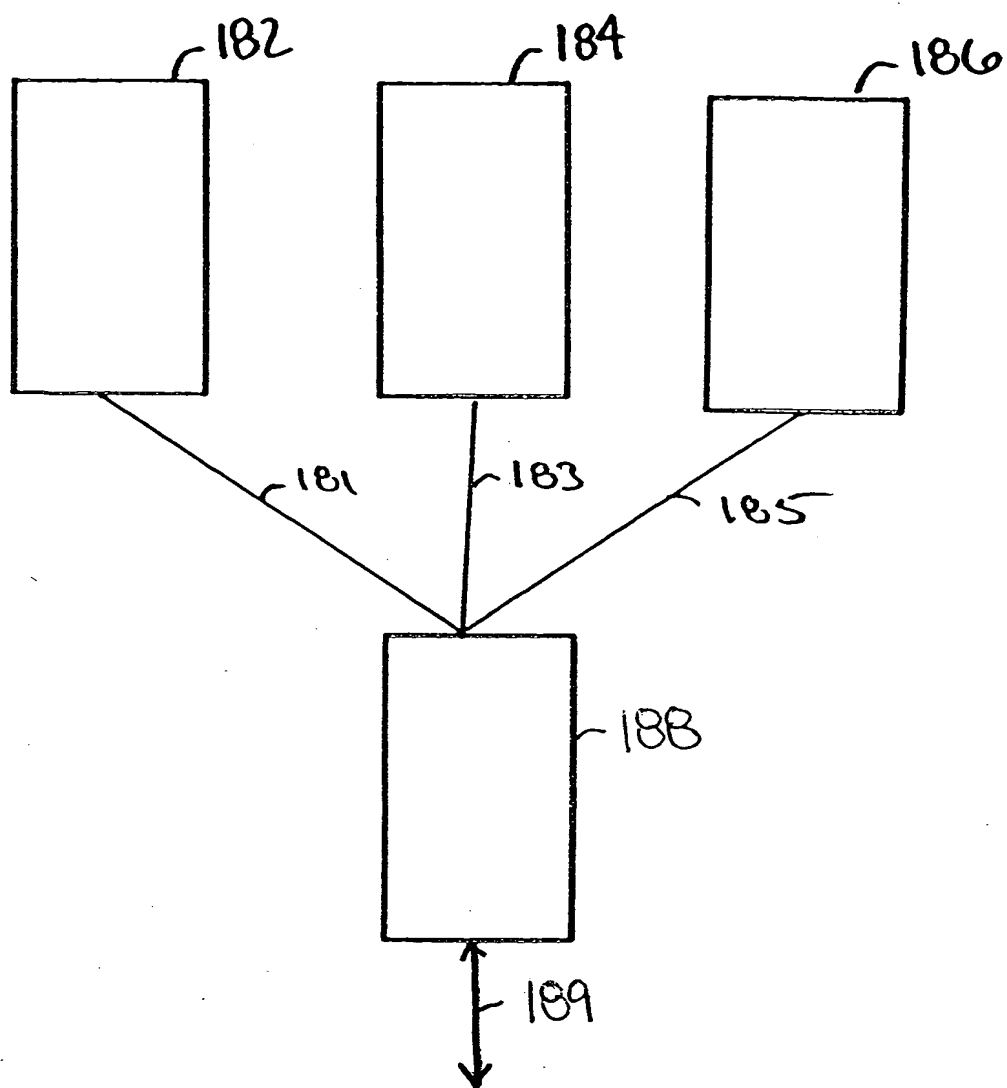


FIG. 5

FIG. 6

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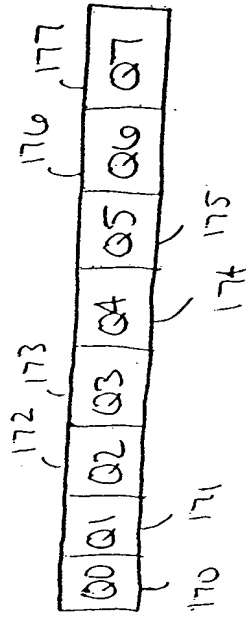


FIG. 7

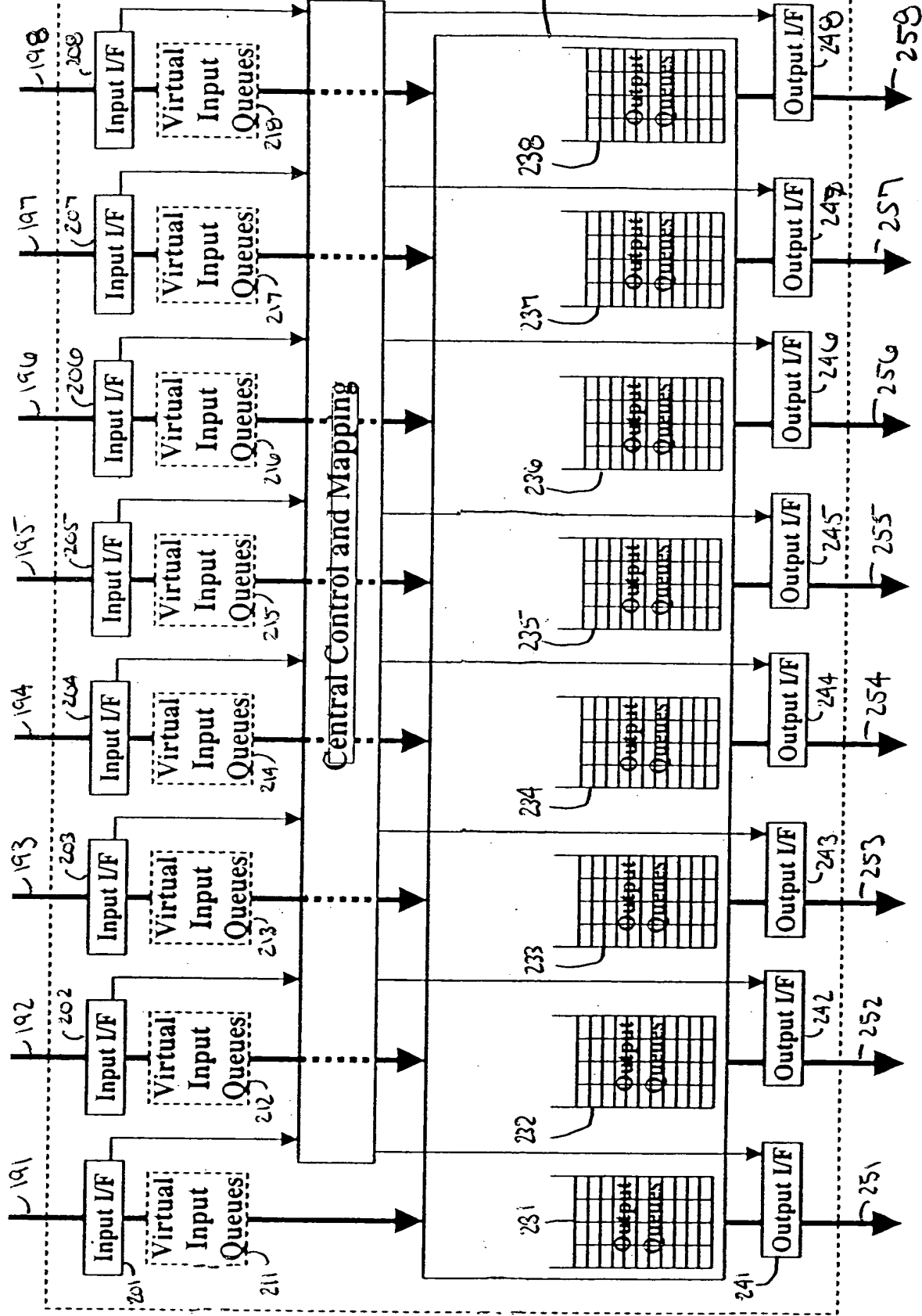


FIG. 8

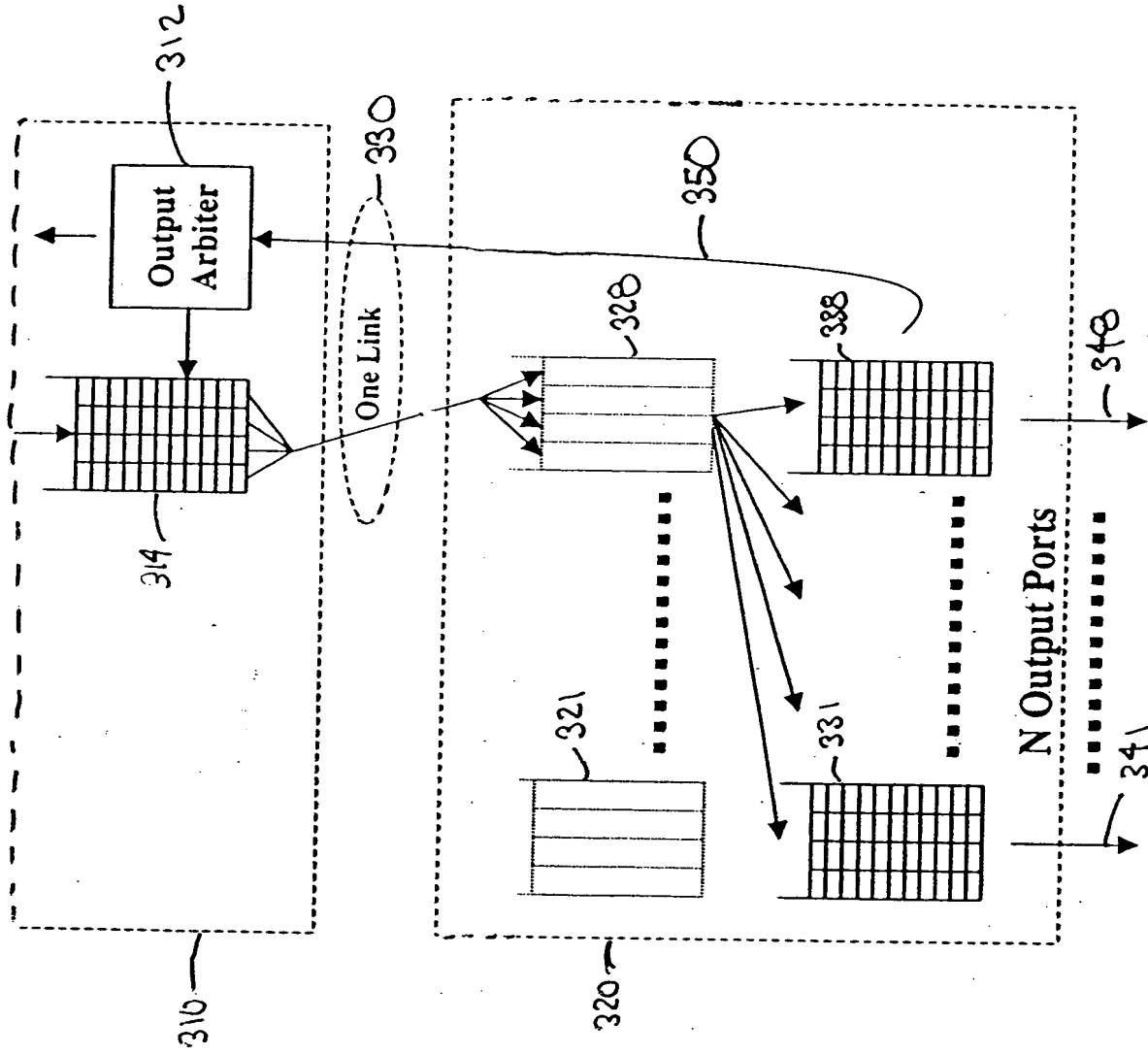
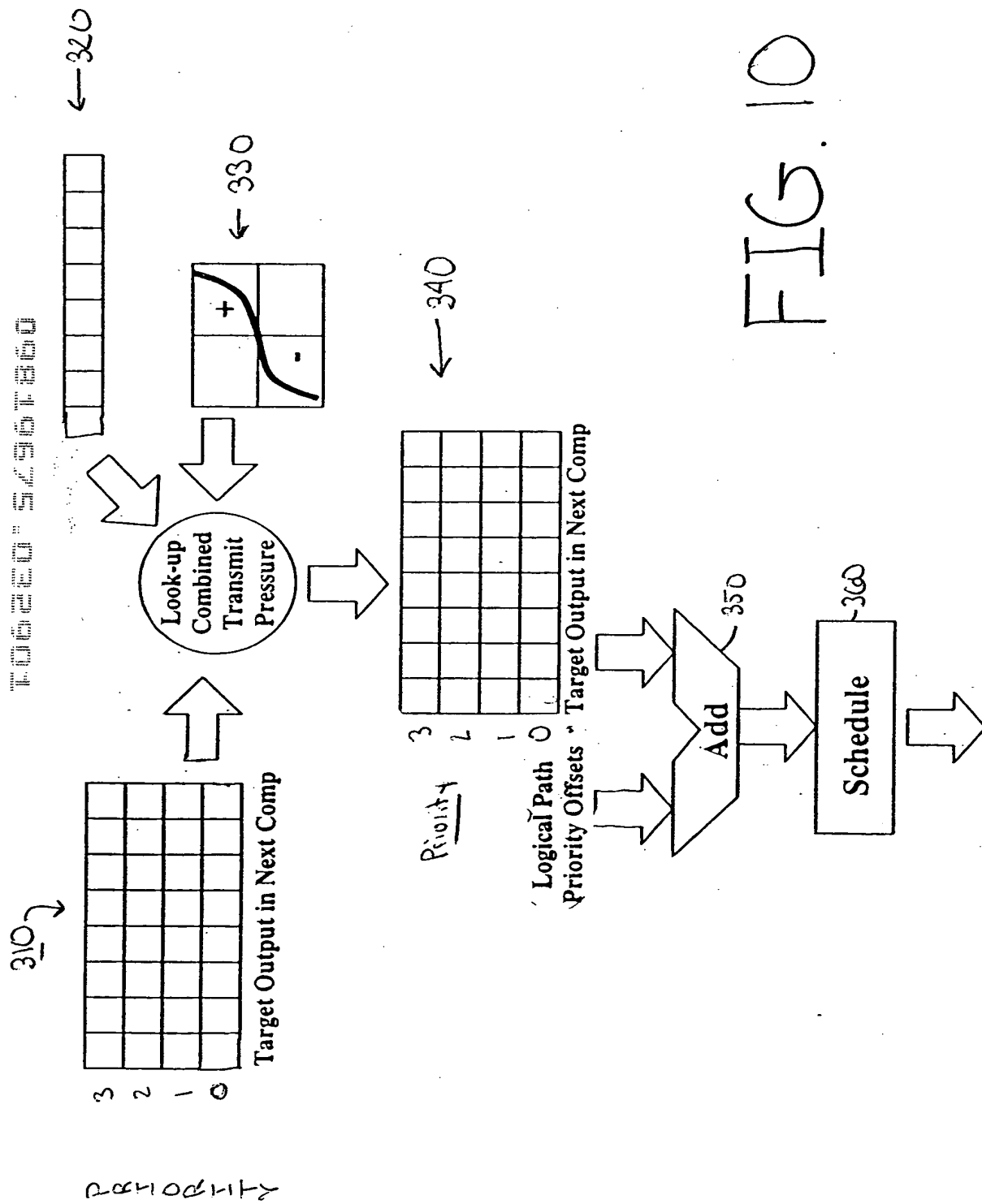
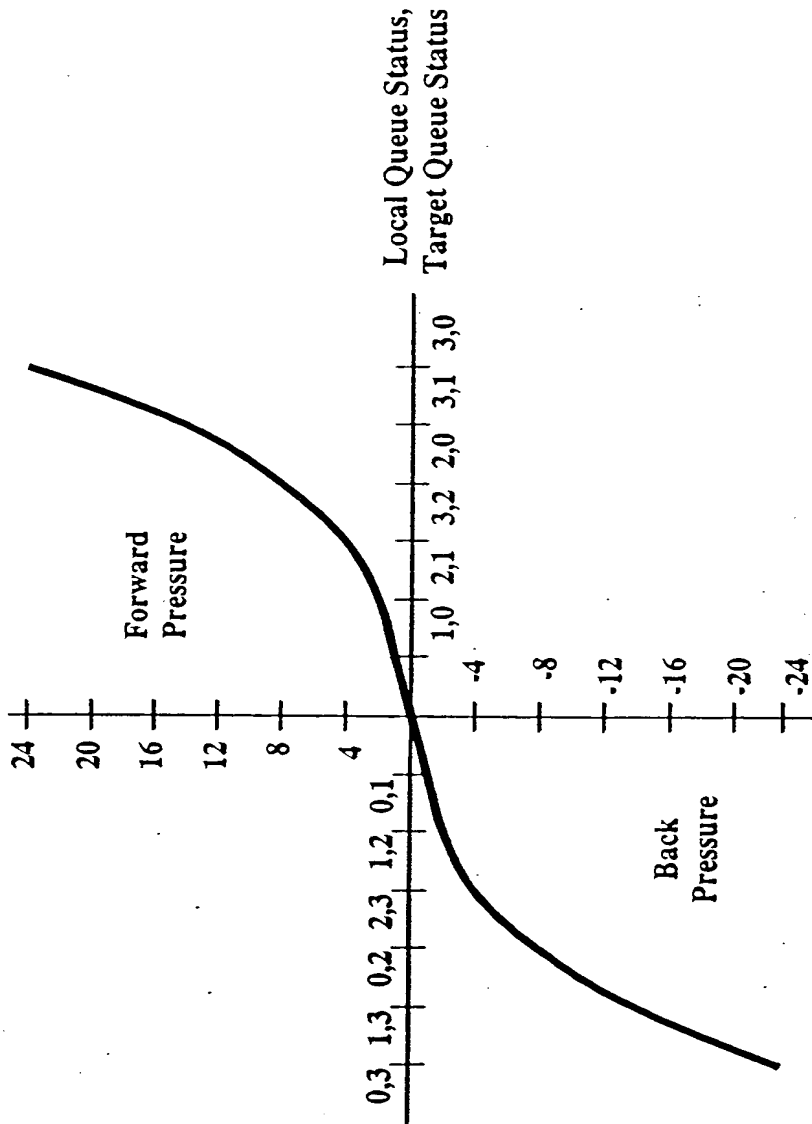


FIG. 9



Pressure Value: 5250T860



| Status of Target Queue in Next Comp | |
|-------------------------------------|-------------|
| Status | 0 1 2 3 |
| of | 0 -1 -8 -24 |
| Local | 1 0 -2 -14 |
| Queue | 2 8 0 -4 |
| | 3 24 14 4 0 |

FIG. 11

Pressure Value

Logical Path Priority Vector

| | | | | |
|-----------------|----|---|---|---|
| Logical Path | 0 | 1 | 2 | 3 |
| Priority Offset | 15 | 8 | 3 | 0 |

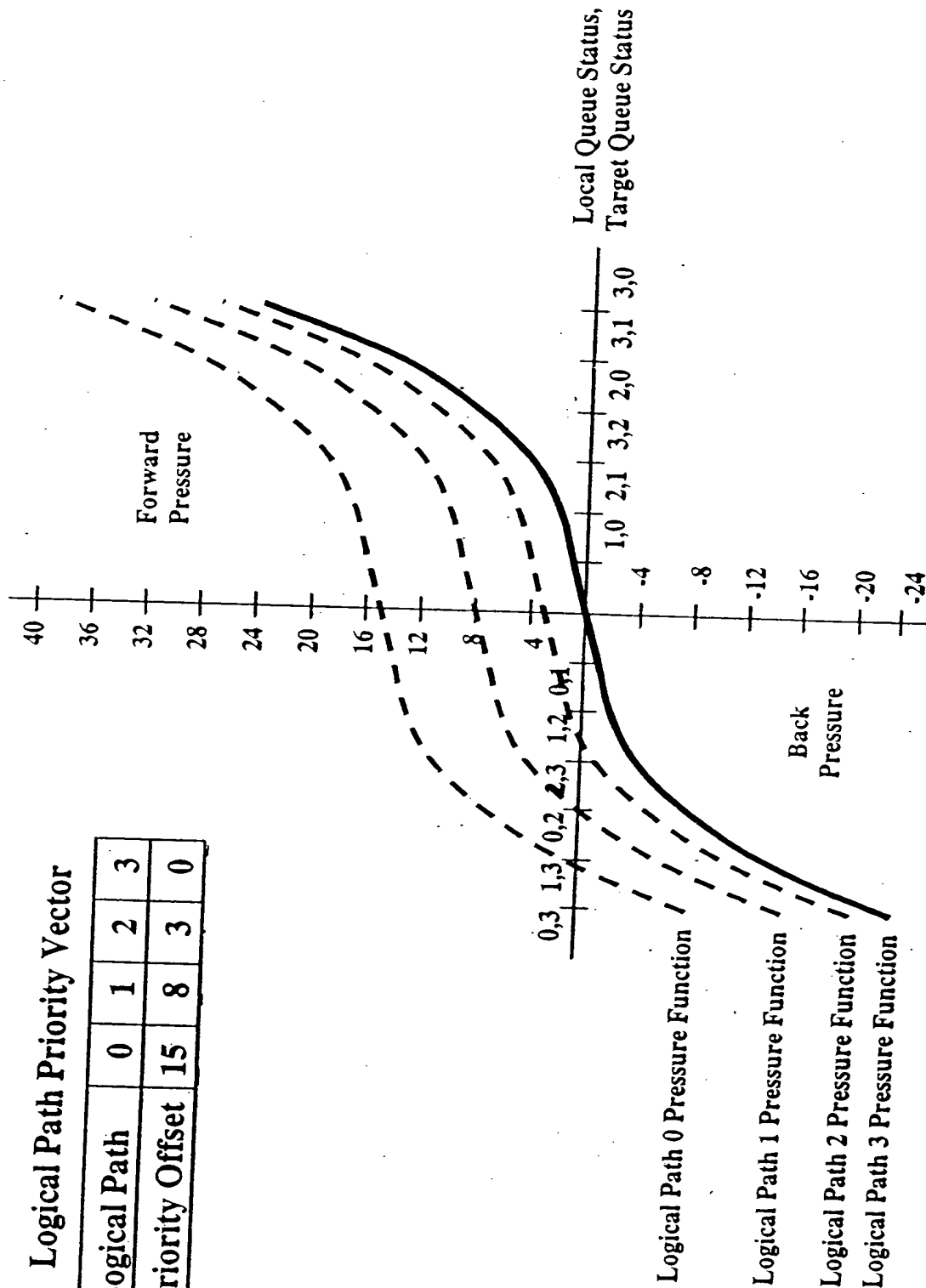


FIG. 12